



MONTGOMERY COUNTY FIRE AND RESCUE SERVICE DRIVER/OPERATOR TRAINING PROGRAM

Practical Application Guide Sheet

On Board Generator

Driver Performance Competency: The driver trainee will demonstrate proficiency and knowledge in the operations and of the onboard generator, electrical components and set-up of electrical systems.

1. The driver trainee will provide the following information:
 - a. Location of **all** on-board and portable generators.
 - b. Capacity of **all** generators:
 - c. Locations on apparatus to start/stop **all** generators.
 - d. Location, length, wire gauge size and breaker size of fixed cords reels.
 - e. Location, length, wire gauge size of portable cord reels.
 - f. Location on apparatus of electrical panel and purpose of each breaker.
 - g. Location and purpose of all pigtails carried on the apparatus.
 - h. Explain how to determine the power requirements of a given tool or appliance (wattage) then determine the units of electricity required for each type of portable lighting or electrical tool.
 - i. **Knowledge of total wattage of on- board lighting and why its important.** _____ (35)
2. The driver trainee will demonstrate procedures for starting **all** on-board generators. _____ (5)
3. **The driver trainee will demonstrate how to complete a daily check-out of the onboard diesel generator.** _____ (5)
4. **The driver trainee will demonstrate the proper procedures for transferring operations from the diesel generator to the PTO generator if applicable.** _____ (25)
5. The driver trainee will demonstrate procedures for setup and raising/lowering the light tower if supplied on apparatus.
 - a. Proper procedures for starting generator
 - b. Location of light tower controls and proper operation
 - c. Check for overhead obstructions prior to raising light tower.
 - d. Properly raise light tower, extend and rotate light tower and stow.
 - e. **Knowledge of total electrical draw (wattage).** _____ (20)
6. The driver trainee will explain all maintenance requirements for **all** generators **on apparatus, daily weekly, monthly.** _____ (10)